

Date: Wed, 15 Dec 93 21:28:38 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #1467
To: Info-Hams

Info-Hams Digest Wed, 15 Dec 93 Volume 93 : Issue 1467

Today's Topics:

ARRL's callsign admin position
Daily Summary of Solar Geophysical Activity for 12 December
Help! 9600 baud info needed!
how to scare away birds from my antenna
Info sought on QUANTUM batt. packs
Logging Programs
Precision resistors questions
Receive broadcast FM on 2m mobile antenna?
Reciprocal operating in Canada
Review about dual-band radios.
Scratchi, January, 1960
Trying WEFAX
TVI weirdness

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 14 Dec 93 10:07:42 EST
From: sdd.hp.com!vixen.cso.uiuc.edu!howland.reston.ans.net!news.intercon.com!
psinnntp!arrl.org@network.ucsd.edu
Subject: ARRL's callsign admin position
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, CSLE87@maccvm.corp.mot.com (Karl Beckman) writes:
>Jon - Let me amplify your point even further. I've never known any ARRL
>official who would not converse with a non-ARRL member amateur, or for
>that matter, most SWLs. Only a few of our politicians want to hear from

ALERTS=
!!END-DATA!!

NOTE: The Effective Sunspot Number for 11 DEC 93 was 47.1.
The Full Kp Indices for 11 DEC 93 are not available.

SYNOPSIS OF ACTIVITY -----

Solar activity was very low. All the regions on the disk are quiet and stable.

Solar activity forecast: solar activity is expected to be very low with a slight chance for an isolated C-flare.

The geomagnetic field has been at mostly quiet levels for the past 24 hours. A period of active conditions occurred from 0900-1200Z.

Geophysical activity forecast: the geomagnetic field is expected to be generally unsettled for the next three days. Influences from a coronal hole may increase levels to active sometime late on the third day.

Event probabilities 13 dec-15 dec

Class M	01/01/01
Class X	01/01/01
Proton	01/01/01
PCAF	Green

Geomagnetic activity probabilities 13 dec-15 dec

A. Middle Latitudes	
Active	15/15/15
Minor Storm	05/05/05
Major-Severe Storm	01/01/01
B. High Latitudes	
Active	15/15/15
Minor Storm	05/05/05
Major-Severe Storm	01/01/01

HF propagation conditions were normal over the low and middle latitude regions. High and polar latitude paths continued to see sporadic periods of below-normal propagation conditions, although there have been improvements in these

areas over the last 24 hours. Similar conditions are expected over the next 72 hours.

COPIES OF JOINT USAF/NOAA SESC SOLAR GEOPHYSICAL REPORTS

REGIONS WITH SUNSPOTS. LOCATIONS VALID AT 12/2400Z DECEMBER

NMBR	LOCATION	LO	AREA	Z	LL	NN	MAG	TYPE
7629	S20W66	083	0040	HSX	01	001	ALPHA	
7630	S10W71	088	0020	HRX	01	001	ALPHA	
7633	S17W78	095	0000	AXX	01	001	ALPHA	
7631	N13W59	076					PLAGE	
7632	N05E31	346					PLAGE	

REGIONS DUE TO RETURN 13 DECEMBER TO 15 DECEMBER

NMBR	LAT	LO
7620	N03	268

LISTING OF SOLAR ENERGETIC EVENTS FOR 12 DECEMBER, 1993

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BEGIN   MAX   END   RGN   LOC   XRAY   OP  245MHZ  10CM   SWEEP  SWF
      NO EVENTS OBSERVED
```

POSSIBLE CORONAL MASS EJECTION EVENTS FOR 12 DECEMBER, 1993

ISOLATED HOLES AND POLAR EXTENSIONS

	EAST	SOUTH	WEST	NORTH	CAR	TYPE	POL	AREA	OBSN
53	S43E34	S43E34	S09W16	S05W14	015	ISO	NEG	021	10830A

SUMMARY OF FLARE EVENTS FOR THE PREVIOUS UTC DAY

Date	Begin	Max	End	Xray	Op	Region	Locn	2695 MHz	8800 MHz	15.4 GHz
-----	-----	-----	-----	-----	--	-----	-----	-----	-----	-----
11 Dec:	2331	2336	2344	B2.5						

REGION FLARE STATISTICS FOR THE PREVIOUS UTC DAY

[illegible]

Total Events: 001 optical and x-ray.

EVENTS WITH SWEEPS AND/OR OPTICAL PHENOMENA FOR THE LAST UTC DAY

Date Begin Max End Xray Op Region Locn Sweeps/Optical Observations

NO EVENTS OBSERVED.

NOTES:

All times are in Universal Time (UT). Characters preceding begin, max, and end times are defined as: B = Before, U = Uncertain, A = After. All times associated with x-ray flares (ex. flares which produce associated x-ray bursts) refer to the begin, max, and end times of the x-rays. Flares which are not associated with x-ray signatures use the optical observations to determine the begin, max, and end times.

Acronyms used to identify sweeps and optical phenomena include:

II = Type II Sweep Frequency Event
III = Type III Sweep
IV = Type IV Sweep
V = Type V Sweep
Continuum = Continuum Radio Event
Loop = Loop Prominence System,
Spray = Limb Spray,
Surge = Bright Limb Surge,
EPL = Eruptive Prominence on the Limb.

** End of Daily Report **

Date: 14 Dec 1993 10:56:30 -0600
From: sdd.hp.com!elroy.jpl.nasa.gov!usc!howland.reston.ans.net!torn!nott!bnrgate!
corpgate!crchh327.bnr.ca!debaker@network.ucsd.edu
Subject: Help! 9600 baud info needed!
To: info-hams@ucsd.edu

I am trying to get a radio modified for 9600 operation, but so far I haven't been able to get very much information. I am using a Kenwood TM-742A, and would like to run it at 9600. If anyone (preferably someone with a modified 742) knows how to do this, please email or post here, or packet mail at AB5PI@N5LDD.#DFW.TX.USA.NA

Thanks,

David E. Baker	Opinions expressed are
Callsign: AB5PI	mine, and they do not
Internet: debaker@bnr.ca	necessarily reflect
IP Addr: 47.122.65.7	the opinions of BNR or
Unix ID: crchh7b0	or Northern Telecom.

Date: Thu, 16 Dec 1993 00:21:25 GMT
From: newshub.nosc.mil!avalon.chinalake.navy.mil!peewee.chinalake.navy.mil!
erik@network.ucsd.edu
Subject: how to scare away birds from my antenna
To: info-hams@ucsd.edu

Scott Dorsey (kludge@grissom.larc.nasa.gov) wrote:
: In article <9312151601.AA00556@ganges.agro.nl> G.POLDER@CPRO.AGRO.NL writes:
: >I'm thinking of scaring away birds from my antenna
: >using ultrasound. I ever heard about people doing it,
: >but don't know what frequency to use, or which
: >output power.

I find using a bb gun to be the most gratifying. Particularly if the birds in question are loud and obnoxious and other flying objects such as rocks, beer cans, and paint balls have failed to permanently discourage them. ;-)

Many places sell phony owls and other predatory bird statues. In most cases these accomplish at least *some* deterrence. I have heard a garden hose strung around or near may be interpreted as a snake. Fine nylon netting may be used that will not capture or injure the birds, but they cannot fly through it and from a distance is is practically invisible to humans. Look for products in the garden dept. of a large hardware or department store.

--
Erik van Bronkhorst KC6UUT DoD/#4342585443 AMA/#438054 BARF/#002
Advocate and practitioner of Death Or Glory Programming (DOG-P)

Date: Mon, 13 Dec 1993 11:48:09 GMT
From: ucsnews!sol.ctr.columbia.edu!howland.reston.ans.net!cs.utexas.edu!
sdd.hp.com!caen!malgudi.oar.net!witch!ame!psl@network.ucsd.edu
Subject: Info sought on QUANTUM batt. packs

To: info-hams@ucsd.edu

Harry -

In article <2efqou\$jna@msuinfo.cl.msu.edu>, Matthew B Cravit
(cravitma@arctic2.uucp) writes:

>In article <1993Dec12.095415.1@ccsua.ctstateu.edu> white@ccsua.ctstateu.edu
writes:

>>

>> I've been looking at battery packs for my TH78a.... Has anyone
>> used the QUANTUM battery packs? Any feedback appreciated.

>> 73s de N1QVE Harry white@csusys.ctstateu.edu

>

>I've not seen the Quantum HT batteries, but I have had very positive
>experiences with the Quantum batteries for camera flashes. As I
>recall, they were high capacity gel cells with charging circuitry etc.
>built in to prevent overcharging. (A photographer friend of mine
>leaves hers plugged in all the time). Hope this helps.

>

>/Matthew (Still waiting for my ticket, 5 weeks and counting)

>

>--

>Matthew Cravit	All opinions expressed here are
>Michigan State University	my own. I don't speak for Michigan
>East Lansing, MI 48825	State, and they don't speak for me
>E-Mail: cravitma@cps.msu.edu	(thank goodness).

>

I use one for my TH-77A. It is three years old and still going
strong. It is heavy, but great for portable use and those days
when you will be helping with an event all day long. It also is
nice to get the full 5 watts on high power (12v).

The comment about the charging circuitry is correct. These are
lead acid batteries and they use an excellent charging circuit on
them.

Hope this helps.

73,

Pete WB0FEW

Date: 15 Dec 93 20:53:13 GMT

From: news-mail-gateway@ucsd.edu

Subject: Logging Programs

To: info-hams@ucsd.edu

Greetings...

I have seen the discussions relating to logging / QSLing software, and
they have brought a question to my mind. I'm looking for a logging

package that has to meet some very specific (and apparently unusual) requirements.

What I'm looking for is a system that will, upon my entering a call sign, interrogate my Yaesu CAT rig for the frequency and mode information, interrogate the QRZ! CD-ROM for name and address information, inquire of it's own database to recover information about previous contacts and notes that I made during those contacts and display all of this information on the screen. At the end of the QSO, I press a function key, and all of this information, including the date and time, is written to the database as a log entry, for QSL cards to be printed later, after the operating session. In this way, the computer takes over all the bookkeeping chores, and I get to enjoy the visit on the air.

Is anyone familiar with any of the available logging programs that even comes close? I'm far too lazy to want to log my HF contacts, so I'm obviously too lazy to try and write my own program (unless, of course, I have to in order to get what I want).

Please respond through the group, in that I can't imagine I'm the only ham that wants one of these.

73,

Alan, N7CEU
N7CEU@WF60.#SOCAL.CA.USA.NOAM
Alan_V._Cook@ccmail.anatcp.rockwell.com

Date: 16 Dec 93 00:02:22 GMT
From: news-mail-gateway@ucsd.edu
Subject: Precision resistors questions
To: info-hams@ucsd.edu

Jeff, NH6IL asks about reading resistance values:

>I have questions concerning the following two precision resistors:

>1. Shallcross Akra-ohm wirewound type BX-100-J RB21B 13001F ABS

> Is the resistance 13000 ohms? (1300 * 10¹ is how I interpret 13001)
> What is the tolerance?

>2. Resistance Products Company LFB RB15AK 1R669F

> Is the resistance 1.669 ohms?
> What is the tolerance?

The value for the first resistor is 13,000 ohms 1%. The last "1" in the string indicates the number of trailing zeros. The two zeros preceding the last "1" are real numbers and could be any number from 0-9 and would be part of the resistance value.

For the second, the value is correct at 1.669 ohms 1%. The "R" represents the decimal point and all digits following the "R" are real numbers.

The letter "F" indicates a 1% tolerance.

As for the remaining letters and numbers, I've forgotten what all of that means, but believe they indicate case style, power rating and wirewound.

Hugh, W6WTU

Date: Sat, 11 Dec 1993 21:33:53 GMT
From: mvb.saic.com!unogate!news.service.uci.edu!usc!howland.reston.ans.net!
europa.eng.gtefsd.com!library.ucla.edu!agate!apple.com!amd!netcomsv!netcom.com!
btoback@network.ucsd.edu
Subject: Receive broadcast FM on 2m mobile antenna?
To: info-hams@ucsd.edu

In article <1993Dec10.154257.16572@ke4zv.atl.ga.us> gary@ke4zv.atl.ga.us (Gary Coffman) writes:

>Note, a center of roof mount will still work better than the cowl
>mount, but [the combined AM/FM/comm antenna] is better than
>on-glass or magmount expedients.

I have wondered about that. I was about to buy an on-glass dual-band antenna because a sunroof pretty much precludes center-of-roof mounting, and I saw that the claimed antenna gain figures for such antennas were quite respectable. However, assumed that the gain claimed included the loss associated with the mount. Is this not the case? How much loss is associated with the on-glass mount, assuming that the inside portion is properly grounded?

-- Bruce Toback

Date: Wed, 15 Dec 1993 23:40:11 GMT
From: world!cravit@uunet.uu.net
Subject: Reciprocal operating in Canada
To: info-hams@ucsd.edu

I will be visiting Toronto in a couple of weeks, and I was wondering the following about my Technician (no-code) license:

- 1) Can I legally operate in Canada with it (if I get it by then)?
- 2) Are my authorized bands the same as they are in the USA?
- 3) How must I identify myself? Is my US callsign sufficient, or do I have to add any additional identification to it?
- 4) Is there anything else I should know about?

Thanks for any info anyone may be able to give me. Please respond via e-mail to cravit@world.std.com or cravitma@cps.msu.edu, in addition to posting.

/Matthew (Callsign to go here, 5 weeks and counting.)

Date: 16 Dec 93 05:08:39 GMT
From: news-mail-gateway@ucsd.edu
Subject: Review about dual-band radios.
To: info-hams@ucsd.edu

I recently asked for comments about radios on this forum, and boy did I get them!! Here are the relevant parts about dual-banders:

I sincerely doubt you'll be able to find a dual bander for under \$300. The only one I know of which has been advertised in that price range is the Alinco DJ-590. A friend of mine who has one has said that if you put a better antenna on it, it becomes a quite respectable radio. I would suggest trying to find someone who has one, and borrowing it for a few days. Or else, find a store which will let you return it if you don't like it.

The Icom (W2A) has quirks -- wierd batteries and charger connection mean Icom is the only source and they'll be expensive, oddball placement of the VHF volume/squelch knob next to the antenna which makes it hard to turn -- but overall I like it. The receiver seems as good as any other HT, it's physically small but not so small as to vanish or be hard to read, it doesn't look ugly, and wide-band receive works pretty well.

- (3) MOTOROLA radios are in a class by themselves. They are indestructible. (I'm serious; I know people who have used them as weapons, *shattered the jaw of an assailant*, and still the radio was 100%. The problem

is that you pay 2-3 times what any other radio company would charge.
Mot is just not great amateur gear. Wonderful for public service.

Note--this doesn't have much to do with dual-banders, but it's a wonderful story!

(4) I love my FT-530 with the digital speaker mic. The IC-W2A is still gotta be one of the most sensitive radios on the market, great RX, wonderful, BUT -- no lit keypad, and a few other minuses. Friends who have the alinco dual-bander like it, as it's cheap and good.

Several of my pals have Alinco 580 HTs and really like them. Myself, I went with the Yaesu FT-530, a few bucks more, but I really wanted the dual in band receive and the voltmeter. No regrets.

Count me as one who likes his Alinco - a DJ580. It's easy to use, is easy on batteries, has a solid "feel" and has all the features I need (though some could be implemented better). If someone has experience with the older Alincos, they might have a different opinion.

Check around for used ones; I've seen them for as little as \$275.

Check out the Radios Shack HT's. I know many folks who have them and they like them a lot. Seems they have a very tight front end which means you won't get intermod as bad as some of the others. Most dual band HT's are pretty broad so you can expect lots (or at least some) interference.

This radio * is the only ham HT I have seen that approaches the durability of a Motorola HT. It is light-years ahead of the W2A. I have a 24AT which uses the same batteries. Myself as well as every other person I know who has an Icom with those batteries has had a problem with the battery rails (plastic) cracking and falling off. :(

Note: *=Yaesu FT-23R

Alinco radios are not bad. I have two of their mobiles, a 570 and a 590, and I've found them excellent values. I don't own a DJ580, but several of my friends do. I haven't heard of any problems. I use the Yaesu FT470 as my handheld radio. I like the user interface very much, and it has a good thermal design, and an excellent battery saver circuit. However, I'd encourage you to *not* make a handheld your first radio. I think you'll find that a HT is less satisfactory than a mobile type rig for most applications.

These comments were taken from the 20 or so responses I got to the question, "Can anyone recommend a good HT to me?" The authors are, in order:

Mathew B. Cravit
Jacob DeGlopper
Scott Swanson
Jason Penn
Bruce Toback
Barry Rose
Steven M. Knapp
Gary Coffman

The "reviews" for single-band radios and the few comments I got about TNC's will come later. Just email me at: segigot@students.wisc.edu with comments or suggestions. I need to say a big "thank you" to everyone who wrote, for the help and the ability to brag about getting 17 email messages in 24 hours, all from total strangers :).

I have just one thing to say: please, please! no flames about this. I think we're all just about ashes now from the past few weeks, anyway. If there's a problem, email me.

Happy Holidays to everyone!

73,
Scott Gigot N9VOM
segigot@students.wisc.edu
We're working on the HT, now!

Date: Tue, 14 Dec 93 05:49:44 GMT
From: news.kpc.com!amd!netcomsv!bongo!skyld!jangus@decwrl.dec.com
Subject: Scratchi, January, 1960
To: info-hams@ucsd.edu

In article <yTqgec5w165w@ham.almanac.bc.ca> emd@ham.almanac.bc.ca writes:

> What was accepted then by the average person and what is acceptable now
> has obviously changed, as have many other things in our society. "Amos
> 'n' Andy" wouldn't get the same reaction today that it did in the
> forties, either.

(To those of you betting that I would get involved in this, collect your money.)

Amos 'n Andy were played by white folks. They was funny back then, and they is still funny now. Rochester (Jack Benny's man-servant) was black, not a white guy playing a black man. The humor in both shows was based on situations. (Geeze, situation comedies, what a concept!) Jack Benny because he was cheap, and A 'n A because they were poor and a tad dim.

If you wish to presume that I think all blacks are like those portrayed in Amos 'n Andy, simply because I find it humorous, you've lost your mind. And I refuse to appologize for finding it humorous.

You should rent the tape "Raw" by Eddie Murphy and then come back and tell me about racist stereotypes.

On prejudice, "I love women, but I wouldn't want my sister to marry one."
73 es GE from Jeff

Amateur: WA6FWI@WA6FWI.#SOCA.CA.USA.NA	"It is difficult to imagine our
Internet: jangus@skyld.tele.com	universe run by a single omni-
US Mail: PO Box 4425 Carson, CA 90749	potent god. I see it more as a
Phone: 1 (310) 324-6080	badly run corporation."

Date: 14 Dec 1993 09:38:09 -0800
From: parc!barrnet.net!nntp.crl.com!crl.crl.com!not-for-mail@decwrl.dec.com
Subject: Trying WEFAX
To: info-hams@ucsd.edu

Good Day all... I saw the request for information about trying WEFAX and decided I had to put my 2 cents in... I've tried a couple of the commercial WEFAX packages and used the JVFAX that is available via ftp on several of the machines.. I found that not only is the JVFAX cheaper to make (I did mine from the junk box) and I know it can be done inexpensively from any parts store, but when comparing the pictures obtained, you can't tell the difference from the commercial boards.. I'm sure the commercial stuff does other things as well but for a trial, I recommend the JVFAX.
It works just as well and is well worth the cost... I lost interest but it wasn't cause it wouldn't do the job.

73
Dennis
INTERNET: n6ng@crl.com
AX25: dennis@wd6cmu.norcal.usa.na
TCPIP: dennis@ccwest.n6ng

Date: Mon, 13 Dec 1993 22:34:42 GMT
From: library.ucla.edu!europa.eng.gtefsd.com!howland.reston.ans.net!cs.utexas.edu!
sdd.hp.com!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!cupnews0.cup.hp.com!
jholly@network.ucsd.edu
Subject: TVI weirdness
To: info-hams@ucsd.edu

sohl,william h (whs70@dancer.cc.bellcore.com) wrote:
: In article <tjif-131293071948@mamie.lanl.gov>,
: Thomas J. Farish <tjif@beta.lanl.gov> wrote:
: >The Cable TVI saga continues. I posted a few months ago about my
: >neighbor's complaints about interference with his TV (his house is
: >wired for cable TV in every room).

: RED FLAG...RED FLAG...

: plugged into it SHOULD then have a dummy 50ohm terminating plug

Surely you don't recommend terminating a 75 ohm system with 50 ohms?
Sure-fire 1.5:1 vswr! I would recommend 75 ohms.

Jim,WA6SDM
jholly@cup.hp.com

Date: 11 Dec 1993 10:04 PST
From: mvb.saic.com!unogate!news.service.uci.edu!usc!elroy.jpl.nasa.gov!swrinde!
cs.utexas.edu!math.ohio-state.edu!news.cyberstore.ca!nntp.cs.ubc.ca!unixg.ubc.ca!
erich.triumf.ca!bennett@network
To: info-hams@ucsd.edu

References <6m4aec1w165w@opus-ovh.spk.wa.us>, <aaoDec4w165w@opus-ovh.spk.wa.us>,
<arog.755608985@BIX.com>.u
Subject : Re: 10-Codes (with 36/37 fixed)

In article <arog.755608985@BIX.com>, arog@BIX.com (arog on BIX) writes...

>
>In the post re: 10 Codes, 10-10 was given as "flight in progress."
>10-10 is more commonly "out of service, subject to call" here on
>the left.coast.

>
>-----
>Alan Ogden, w6spk
>arog@BIX.com moderator of ham.radio
>

Around here, 10-10 means "negative"

10-61 and 10-62 are coffee break and lunch break respectively.
10-80 thru 10-89 are "record of <some offence>"

Peter Bennett VE7CEI	Vessels shall be deemed to be in sight
Internet: bennett@erich.triumf.ca	of one another only when one can be
Bitnet: bennett@triumfer	observed visually from the other
TRIUMF, Vancouver, B.C., Canada	ColRegs 3(k)

End of Info-Hams Digest V93 #1467

